



Patent  
Docket No: 56899US003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Bernard O. Geaghan et al.

Group Art Unit:

Serial No.: 10/052,695

Filed: January 18, 2002

Examiner:

For: TOUCH SCREEN WITH SELECTIVE TOUCH SOURCES

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

*March 28, 2002*

Date

*Heather M. Sumter*

Signature: Heather M. Sumter

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Preliminary to examination of the above-identified application, please enter the following amendments.

**In the Specification**

Please replace the paragraph that begins on page 7, line 31, with the following paragraph. A marked-up version of the original paragraph showing the changes being made is provided on a separate page.

--System 200 also includes power source 218 that produces a time varying signal v(t). This signal may be a sign wave, square wave, or any time varying voltage. Amplifiers 222 drive the signal to each of the corners of conductive surface 213 through wires 224. The voltage v(t) is driven from the output of each of amplifiers 222, so the entire surface of touch sensor 212 is at a uniform voltage. Current measuring devices 228 measure currents 226 that flow through the amplifier outputs. When conductive surface 213 is touched by, for example, a finger, capacitive contact is made and is represented by capacitor 230. Current flows from ground 232, through amplifiers 222, conductive